Patent Number(s): JP56008431-A
Title: Polyester prodn. - from terephthalic acid, ethylene glycol, an antimony, titanium, germanium, tin, zinc, or cobalt cpd. as catalyst and a rhenium cpd.
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Derwent Primary Accession Number: 1981-20317D [12]
Patents Cited by Inventor: 0 **Citing Patents:** 0 **Articles Cited by Inventor:** 0
Patents Cited by Examiner: 0 **Articles Cited by Examiner:** 0
Abstract:

Polyester is produced from (1) terephthalic acid or a bifunctional carboxylic acid comprising mainly terephthalic acid or an ester-forming deriv., (2) ethylene glycol or a glycol component comprising mainly ethylene glycol, (3) one or more cpds. selected from glycol-soluble cpds. of Sb, Ti, Ge, Sn, Zn and Co as catalyst, (4) glycol-soluble rhenium cpd. in an amt. of 0.005 x 10 power minus 4 to 0.1 x 10 power minus 4 mole to 1 mole of the acid component constituting the polyester.

(3) is e.g. SbO3, Ti(OCH3)4, ethylgermane, di-n-butyl tin diacetate, cobalt chloride, ZnCO3. (4) is e.g. rhenium chloride, rhenium bromide. (3) and (4) are added to the reaction system at any time by the initial stage of the polycondensn.

High polymerisation degree polymers are produced in a short time without causing deposition of insoluble matter and deterioration of colour tone.

International Patent Classification: C08G-063/34
Derwent Class: A23 (Polyamides, polyesters, polycarbonates, alkyds)
Derwent Manual Code(s): A02-A06; A05-E04A
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